

Federated Earth Observation Gateway (FedEO)

Purpose

FedEO (Federated Earth Observation Gateway) offers a unique entry point to a growing number of scientific catalogues and services for, but not limited to, European and Canadian EO missions. FedEO is deployed within the European Space Agency (ESA) infrastructure as a gateway to:

- Providing brokered discovery of, access to, and ordering capability for EO missions, product catalogues, and archives based on HMA (Heterogeneous Missions Accessibility) interfaces;
- Implementing the CEOS OpenSearch Best Practices and OGC standards for an increased number of discoverable and accessible EO data collections;
- Enabling the interconnection between CEOS Community Catalogues and Clients.

FedEO was initially developed as a prototype for the GEO/GEOSS (Group on Earth Observations/ Global Earth Observation System of Systems) and EO-DAIL (Earth Observation Data Access & Integration Layer). However, since the 2012 CEOS plenary, FedEO has also begun facilitating access to European mission data in the international context and primarily through CEOS.

In order to ensure the highest level of interoperability for both users and data providers, FedEO is aligned to the most recent OGC, ISO, and CEOS standardisation guidelines:

